

MOISTURE-CURABLE, POLYETHER URETHANES  
WITH REACTIVE SILANE GROUPS AND THEIR USE  
AS SEALANTS, ADHESIVES AND COATINGS

ABSTRACT OF THE DISCLOSURE

Preparation of moisture-curable, alkoxysilane-functional polyether urethanes by reacting at an NCO:OH equivalent ratio of 1.5:1 to 2.5:1

- a) a hydroxyl component containing i) 20 to 100 wt.%, of a polyether diol and other polyether segments, where the polyether segments have Mn of at least 3000 and degree of unsaturation of less than 0.04 meq/g, where the sum of Mn of polyether segments per molecule averages 6000 to 20,000, and ii) 0 to 80 wt.% of a polyether monool and other polyether segments having Mn of 1000 to 15,000, with
- b) an isocyanate component containing i) 20 to 100 wt.% of a diisocyanate, and ii) 0 to 80 wt.% of a monoisocyanate, forming an isocyanate-containing reaction product reacted at an equivalent ratio of 0.8:1 to 1.1:1 with
- c) a compound containing an isocyanate-reactive group and reactive silane groups where at least 10 mole % is a compound of formula

